

'Haystack' dedicated Thursday

By Bill Judnick

Energy generated about 300 million years ago helped dedicate the Haystack Microwave Research Facility near Tyngsboro, last Thursday.

As numerous Air Force officials and Lincoln Laboratory personnel watched, radio signals from the constellation Cygnus were gathered by the 120-foot antenna overhead, tripping a switch that unveiled the dedication plaque.

\$15 million

The Haystack facility, designed and built for the Air Force Systems Command by Lincoln Laboratory, cost an estimated \$15 million expended over a five-year period. According to John Kessler of Lincoln Lab, \$5 million of that amount went into the development of three independent computer programs to design the massive structure "to the limit of the art."

Most of the development costs were assumed under an Air Force contract.

Operational expenditures per year are expected to total over \$1 million, according to Vincent A. Fulmer, Vice President and Secretary of the Institute, who attended the ceremonies. The majority of that amount will be for operational power up to 1 million watts at 120,000 volts. The remainder will salary 12 engineers and scientists (full-time) and supporting technicians of equal number.

4-star general

Among the many Air Force officers attending the dedication was General Bernard A. Schriever, commander of the Air Force Systems Command. The AFSC coordinates the military and civilian scientific and industrial efforts of the United States toward the development of aerospace weapons systems. It directs the expenditure of about 40 percent of the Air Force budget, or approximately 8.2 cents of each federal tax dollar.

In his remarks at the ceremony, General Schriever hailed the Haystack facility as "a major advance in our communications research and space communications capabilities."

He pointed out that 'Haystack' "will greatly augment the capabilities of the Lincoln Lab's Millstone Radar Facility, which is already recognized as one of the most important sources of satellite tracking information in the free world."

BMEWS model

"The Millstone Radar served as a model for our Ballistic Missile Early Warning System tracking radars. It also provided the design criteria for the experimental trackers at Trinidad in the Eastern Test Range and at Prince Albert in Western Canada. It played an important role in the Mercury Project and will continue to make valuable contributions to the national space effort."

In light of such complementary descriptions of Millstone Radar, the capabilities of the Haystack facility sounded a further note of optimism. Greater precision of collectable data and tighter tolerances in component parts of the structure were cited by several speakers:—

Accuracy of parts comprising

Chemistry major commits suicide by taking cyanide

Stephen L. Rinehart '67 died of cyanide poisoning October 8 in his room at Bexley Hall. He was taken to Mt. Auburn Hospital by the MIT Campus Patrol and was dead on arrival.

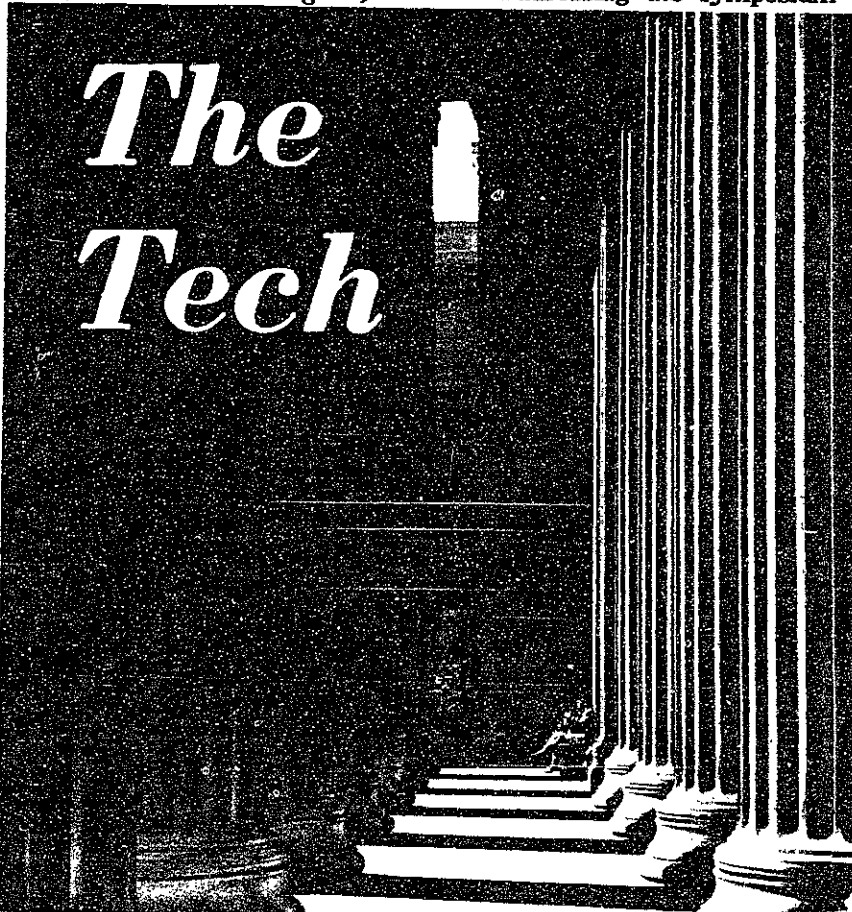
Rinehart, 19, was majoring in chemistry; his academic work had been good and he had not been reported in any difficulty. No note was left, but his roommates reported he had been despondent during the previous few days because of personal problems.

The parents of the deceased are Mr. and Mrs. Robert D. Reinhardt, of 2 Turkey Hill Lane, Westport, Connecticut. Reinhardt's roommates were Robert H. Domnitz, '67, of New York City and Abhijit Sen '66, of Calcutta, India.

the 120-foot diameter primary reflector is .075 inch; for the 9-foot secondary reflector, .010 inch. These are the maximum permissible deviations including allowances for effects of gravity, temperature, fabrication, assembly, and measurement uncertainties.

The angle of the antenna beam is .05 degree, or about 3 minutes of arc, at an operating frequency

(Please turn to Page 8)



Vol. 24, No. 19 Cambridge, Mass., Wednesday, Oct. 14, 1964 5c

Research effort:

'Better here than in industry'

By Allen Green and Jason Fane

"We give the government talent and performance that it can't find anywhere else. It's a rule in our business that we're not doing our job if the government can do the job better or as well in private industry."

General James McCormick, MIT vice president and supervisor of the Lincoln and Instrumentation Laboratories, pointed out that the direct commitment the Institute has in operating the two labs is entirely apart from its educational responsibilities.

"We've taken on the developmental responsibility for certain government projects and this is a real burden. We take the responsibility for failure at any phase of the program. This puts a drive in the work which pulls away from the educational processes sharply."

However, the General, a graduate of West Point and a former Rhodes Scholar, recalled that "at one time there were one hundred student theses under way at the Instrumentation Lab, and this is not trivial."

The budgets for the two labs run to about one hundred million dollars yearly, as opposed to an expenditure of thirty five million dollars for all other Institute research programs.

Even with this huge commitment, "we have turned down an amount of work equal to what is already being done," the general commented, "we're real surly about accepting new work."

"By the simple process of saying yes to government offers, the programs would be twice as large as they are." In fact, since the responsibility for such projects is apart from MIT's essential educational commitments, the General asserted that "we would be happy to accept a smaller amount of work any time the government is willing to cut back." Aside from his duties with the MIT community, General McCormick has recently been appointed chairman of the new Massachusetts Bay Transit Authority which recently replaced the old MTA.

Editor's Note: Next week the Tech will print General McCormick's plans for the MBTA. The story describes several major changes in the rapid transit lines including the possibility of two monorail lines.

Over 500 women

AWS slates symposium on US women scientists

By Roy Maxwell

Women students from many American colleges and universities, who plan careers in various technological fields, are coming to MIT to discuss the pitfalls and promises for women in science and engineering.

The occasion is a "Symposium on American Women in Science and Engineering," to be held here, October 23 and 24.

Speakers

Addressing the symposium will be both men and women from prominent positions in industry, education, science and technology, including Dr. Lillian Gilbreth, famous pioneer among women engineers.

Planning for the symposium has been made entirely by the MIT undergraduate women, under the sponsorship of the MIT Association of Women Students.

The aim of the symposium according to Dr. Jacquelyn A. Mattfeld, MIT Associate Dean of Student Affairs, is to acquaint young women interested in a career in science and technology with the mythical and actual difficulties they may expect to encounter, to convey that these are not insurmountable, and to assure that the satisfaction and rewards of such careers are high.

Delegates

Coming to the symposium are: 260 college delegates, women undergraduates and graduate students in science and engineering at 150 educational institutions across the country;

Professors and deans from the colleges represented by the delegates;

Boston area women in industry, college administration and high school guidance as well as a number of promising girls in science at the high school level;

And many of MIT's 223 women students, 85 women staff members, and alumnae in the Boston area.

The keynote address will be given by Dr. Bruno Bettelheim, professor of educational psychology at the University of Chicago. Dr. Erik H. Erikson, professor of human development at Harvard University, will present concluding remarks.

\$500,000 will endow first chemistry chair

The Camille Dreyfus Professorship in Chemistry, named for the chemist and industrialist who pioneered man-made acetate fibers and plastics, has been established at MIT under a \$500,000 grant from the Camille and Henry Dreyfus Foundation, Inc. of New York City.

The Professorship, the first endowed chair to be established within the Department of Chemistry, will honor the memory of Dr. Camille Dreyfus. The Swiss-born chemist along with his brother, Dr. Henry Dreyfus, did early basic research in cellulosic chemistry, successfully made the first cellulose yarn, and formed three major chemical-industrial enterprises: British Celanese, Ltd.; Canadian Celanese, Ltd.; and Celanese Corporation of America.

Income from the endowment will be used to support the chemistry scholar of outstanding merit who will be selected to occupy the Dreyfus chair and to support, in part, the research that the Dreyfus professor will desire to carry out.

The Dreyfus Foundation was established in 1946 originally as a memorial to Dr. Henry Dreyfus who died in 1944 in London. It became a memorial to both brothers when Dr. Camille Dreyfus died in New York in 1956.

Tickets on sale Monday

Morrow, 4 Preps, Bo Diddly at JP

Buddy Morrow, The Four Preps, and Bo Diddley will entertain at JP, '64, November 13-15, it was announced today.

Junior Class Secretary-Treasurer Ken Browning and President Hank Perritt, speaking for the JP Committee, pointed out that this entertainment line-up exhibits a marked change from previous proms because this year nationally famous artists will be entertaining for all phases of the weekend.

Buddy Morrow and his orchestra (of "Night Train" fame) will play for the formal dance at the Statler-Hilton Ballroom on Friday night.

On Saturday afternoon Kresge Auditorium will be the site of a concert by the popular Four Preps. Unlike most college-style groups they have enjoyed continued popularity since 1957 with songs like "26 miles," "Big Man," "Down by the Station" and "More Money for You and Me."

Bo Diddley and the Duchess will blast out with sounds for four hours on Saturday night, while everyone enjoys his date, blanket and free refreshments on the floor of the Armory. While Bo Diddley catches his breath at intermission, music will be provided by the Invaders, a local group.

This year, the JP Queen, crowned at Intermission on Friday night, will be in the spotlight throughout the weekend. On Saturday morning she will assist in presenting the Field Day trophy to the officers of the victorious

class and on Saturday afternoon she and her date will be escorted to special seats in Kresge for the Four Preps concert.

Information concerning nomination of Queen candidates will be distributed to all living group social chairmen and will also be available at the ticket booth in Building 10. This year there will be a limit of one candidate per fraternity and three per dormitory to help narrow the choice

down and add some spirit to the selection of a queen, according to the committee.

Ticket sales will open to all on Tuesday, October 20, with block bids from social chairmen to be taken Monday, October 19.

The weekend ticket price will be \$15, a slight increase over last year, to provide for the slate of nationally popular performers.



Bo Diddley and the Duchess, shown here, will supply the beat when JP winds out in the Armory Saturday night, November 14. Tickets to all JP functions go on sale Tuesday, October 20 in building 10.

Queen to be stressed

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Norton named advisor

Foreign study pondered

By Bob Horvitz
To provide MIT students with the opportunity for overseas study, Prof. John Norton has been appointed to the newly created position of Advisor of Foreign Study.

Prof. Norton will gather information on overseas study opportunities and will discuss prospective programs with all interested students.

At a meeting to be held late this week, he will explain the program and answer any questions about it. Those interested should check with Prof. Norton in room 5-108 for the time and the location of the meeting.

"Although many other schools have had programs for foreign studies," explained Prof. Norton, "MIT has always sent each student abroad on an individual basis. However," he continued, "in the last few years interest has greatly increased."

The problem of developing a formal program of overseas study for MIT is a complex one. Students here are interested in not only the European universities but also those in Latin America,

the Far East, Africa, in fact, the whole world.

The basic objectives of the students vary also. For some, the professional aspect is paramount. For others, the personal development associated with living and working in another country is of prime importance, and scholarship is secondary.

In addition, transfer of credit also creates difficulties. "MIT has rigid degree requirements," Prof. Norton explained. "To find an equivalent program elsewhere might be difficult."

Learning the foreign language is an obstacle which any student interested in overseas study must conquer. To handle a program comparable to the third or fourth year at MIT requires more than a casual acquaintance with the language.

"Because of the great number of Spanish-speaking countries," Prof. Norton revealed, "that language will probably soon be offered at the Institute for the first time."

Finally, there is the financial problem. "Although the travel abroad is considerable," said Prof. Norton, "living expenses are lower and tuition abroad is much less. Thus the overall cost for a year is about the same."

"However, because of the credit situation, it is possible that the time to obtain a degree will be lengthened by one or two terms, and that means added cost. In the future," he added "it is possible that funds may be made available specifically for overseas study."

"But first," Prof. Norton concluded, "we need evidence that the program will be successful."

State senator desires change in NASA site

Sen. Fred I. Lamson is meeting today with officials of the National Aeronautics and Space Administration in Cambridge in an effort to have the site for NASA's proposed Greater Boston space research facilities switched from the Kendall Square area to a vacant industrial tract in Everett, alongside the Mystic River.

Lamson, whose district includes Everett, Malden and Melrose, is making this move in view of the protest of 90 Kendall Square firms that would be uprooted by urban renewal if NASA locates there.

The Everett site contains 146 acres and additional adjoining acreage that was formerly the site of the Eastern Gas and Fuel Associates and the Humble Esso Refinery.

The Senator plans to stress the accessibility to the Harvard-MIT area by way of the Mystic River Bridge and the new Alford St. Bridge now under construction, and the availability of both rail and water shipping facilities.

Cherchez la Femme

Computer mixer now full

Apparently somebody does read this column after all, if the results of the Charlesgate mixer are any criterion. The Social Chairman of Charlesgate has requested me to ask people to stop calling for invitations to the computer mixer, since they're completely full, and the police won't let them have any more people.

So, be ye informed. Do not call Charlesgate, write Charlesgate, or drop into Charlesgate asking for invitations. There are none—O, null,—and the girls on the floor are still hearing phone bells.

This week only one mixer seems to be going on. That's at Lesley College. They call it an Autumn Mixer, and it's at 8:00 in White Hall, 31 Everett Street. Admission for males is 99c.

This seems like a small number, which means that my sources don't have all the information there is to be had. So this is the time for you to use all the sources that you, being suave, sophisti-

cated men of the world, have of course developed at all the local girls' schools.

Some possible help for those who have been hampered in developing sources by their devotion to science (some might term it paralysis around science). Rumor reports that the Radcliffe dorms other than North Hall will be holding mixers soon. Rumor (who gets around more than I do) also says that Simmons will soon be holding dormitory mixers. They are electing officers this week, so mixers probably won't be until next—but this is not necessarily true for all dorms.

Now, for those of you who plan ahead (both of you), information has been received on a Wheelock mixer, to be given a week from Friday. The mixer is sponsored jointly by Colchester and Kent Houses, and will be held, unless circumstances change, in Kent House (if not, it will be in Colchester, so there's little worry on that score). There is no admission, but invitations are required (the main reason for this is that the girls don't want to be swarmed under—there are only 130 of them). For invitations call Carroll Bowling, at LO 6-8795.

If you're extremely far-sighted, here's a mixer to put in your datebook. It's at the Bouve Boston School, and it's scheduled for February 12. For further information see the second-term edition of Cherchez la Femme, on your newsstands in the beginning of February.

For more current information, however, tune in again next week for another saga of the trials and tribulations of a mixer columnist.

Computer scans technical journals; May replace library card catalogs

By Charles Kolb
Dr. Myer M. Kessler, director of MIT's Technical Information Project, today will ask Project MAC's IBM 7094 to send him a list of scientific articles published since 1946 with the word "magnetic" in the title.

After searching more than 35,000 articles published in 20 different technical journals from all over the world, the computer will teletype a list of references to Dr. Kessler in Philadelphia.

The purpose of the computer search is to display the unique system to a convention of the American Documentation Institute. It will be the first public demonstration of the system, which is sponsored by the National Science Foundation.

Dr. Kessler conceived the idea for a system of information retrieval by computer two years ago when he found that it was impossible for him to keep abreast of developments in his own specialized field of radar. The system he developed is both faster and more precise than conventional methods of locating information.

It is designed so that articles may be located according to title, author, journal, date, location of author, page number or any combination of these references.

Articles with similar bibliographies to that of a reference article can also be traced.

Library services may be significantly augmented by Dr. Kessler's system.

He predicts that within the next ten years card catalogs may be entirely computerized.

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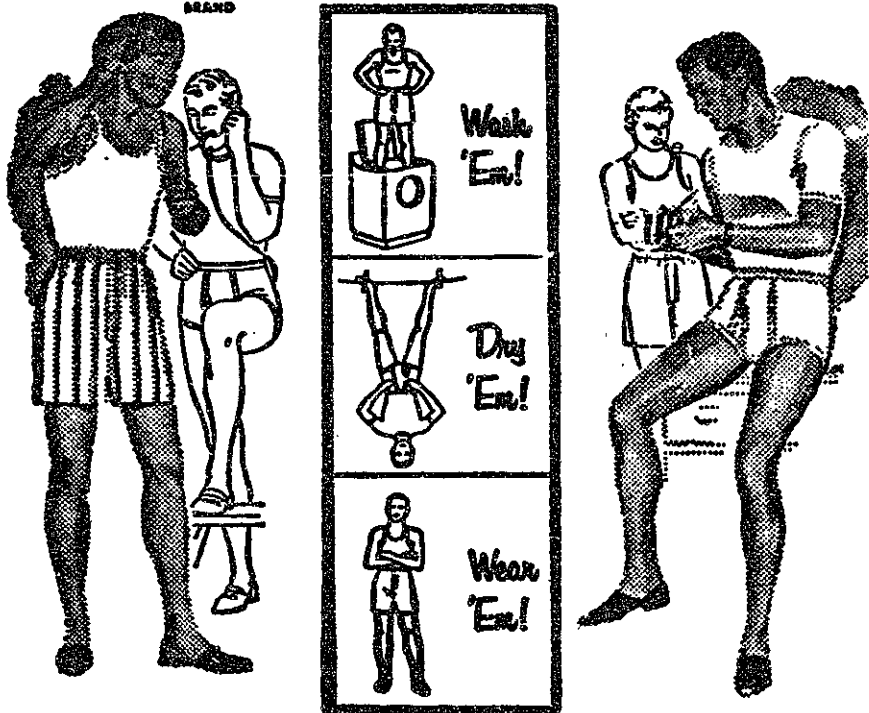
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SHULTON

Crossroads Africa' meet Wednesday

There will be a meeting for all students interested in the Crossroads Africa program Wednesday, October 21, at 4:45 pm in Litchfield Lounge.

Crossroads Africa is a summer work program in Africa. In the past, approximately 300 students from across the country have participated in the project.

MIT, as a sponsoring institution, will send three students to the program planned for next summer.

Coop sales, membership increase: Many plans set for coming year

The Annual Report of the Directors of the Harvard Co-operative Society for the year ending June 30, 1964, has been published.

Sales to customers totaled \$9,705,136, an increase of almost \$500,000 over last year. Membership of the Society rose from 46,676 to 50,489. Technology Store members make up some 13,103 of the total.

The year was full of planning for new developments at both the

Harvard Square and MIT Stores. Plans have been completed for a new four-story building to be erected on Palmer Street to provide the Society with the long-needed space to expand its book operations. The first two floors will be completely devoted to books.

Plans also call for the MIT Store to be relocated on the street floor of the new Student Center scheduled for completion in the late spring of 1965.

Patronage refunds on members' purchases, at rates of 10% on cash purchases and 8% on charge purchases, totaled \$597,000.

The Harvard Co-operative Society, a Massachusetts corporation, was established in 1882 and incorporated in 1903.

Student Center

ASA receives plans

Members of the Association of Student Activities received final office assignments and plans for the fourth floor of the Student Center last night. Dick Schmalensee '65, chairman of the Student Center Committee, distributed floor plans to the represented activities and answered questions. James Murphy, a future member of the Center staff, explained planned operation of the Center facilities.

The desired location of telephones, electric outlets and the usability of present office furniture was discussed.

In addition to the currently announced room assignments, a number of desks, files, and locker facilities will be available, according to present plans, for smaller activities.

Activities assigned offices included: The Tech, TEN, Tangent, Voodoo, Technique, Incomm, Finance Board, TGA, the Interfraternity Conference, Alpha Phi Omega, Science Fiction Society, Debate Society, Dramashop and Tech Show, Lecture Series Committee, Social Services Committee, Combined Musical Clubs and the Baton Society, Outing Club, and the combined religious groups.

Council elections continue tomorrow

Freshmen not enrolled in 5.01, 5.41, or 4.021 will be given an opportunity to elect a Freshman Council representative tomorrow. An election for the section leader representing this group will be held in the Miller Room, 3-070, Thursday at 8:30 a.m.

The first meeting of the Freshman Council will be held next Sunday at 7:00 p.m. in the Bush Room, 10-105. Council officers will then be elected.

MIT granted permit for research bldg.

The Cambridge Building Department announced last week the award of a building permit covering construction of a new research building for MIT. The \$176,000 permit was the largest of the \$230,000 in permits granted in July.

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CAMPUS INTERVIEWS...OCTOBER 21

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Unsigned editorials in The Tech are the opinion of The Tech's Board of Directors, not that of MIT. The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed, but names will be withheld upon request.

Elections

The response to the mock election, in the form of statements by the active organizers and letters we have received, indicates that the poll October 27 will be more interesting and significant than the campaign.

The vote is important as a public indication of campus opinion and interest in national affairs. The campaign and its supporters, as revealed in their written communications, are not informative or educational, merely opinionated.

In his first column, the UAP stated, 'No matter who wins, it should be a lot of fun.' Hopefully, though the issues are important, debate will be calm. Though all should vote in the mock election, its importance in the national scene should not be overestimated.

The volume of letters received indicates interest in national politics outweighs interest in campus affairs.

We hope this interest will be reflected in the turnout for the voting October 27.

Kibitzer

By Tom Neal

NORTH
♦ A K Q
♥ A K 8 7
♦ A 10 7 6
♣ K 7

WEST
not shown

EAST
not shown

SOUTH
♠ 8 6 5 4
♥ 10
♦ K J 8 4
♣ Q 9 8 6

North deals.
The bidding:
North East South West
2 NT Pass 3 ♦ Pass
4 NT Pass 5 ♦ Pass
5 NT Pass 6 ♦ Pass
Pass Pass Pass

Opening lead: Ace of clubs, followed by nine of diamonds.

Could you make this hand?

In this hand, an ambitious South playing at duplicate rejected a solid three no-trump with over-tricks and stretched the bidding into a small slam.

West's two leads brightened

South's dreary thoughts as the North hand was laid down. The nine lead strongly suggested a diamond singleton. In spite of the four-one trump break, South made the hand, assisted by East's having had more than one club.

Declarer realized that as soon as trumps were pulled, the board would contain only two losers. After the king of clubs was cashed, East's queen was finessed with the seven of diamonds overtaken with the eight, West showing out.

A small club was ruffed with the ace of diamonds, to avoid overruffing, followed by another diamond finesse. The last diamond was pulled from the hand and the queen of clubs cashed, discarding dummy's seven and eight of hearts and making the board good.

Without the club ruff, allowing a heart sluff from North on South's last diamond, the hand is defeated.

Letters to The Tech

LSC movie problems

To the Editor:
Techmen are a basically docile group. True, they are capable of making large quantities of noise, but very few will actually stand against a threat. As an example, take the LSC movie crowd.
LSC's audiences have long endured, inactively if not silently, such travesties of the cinematic art as theatre lights during pro-

ductions, consistently bad focus, poor sound, rough reel changeovers, sound blackouts, and unlimited schedule changes. The only protest has been booing.
A primordial showing of backbone came this past Saturday at the first presentation of 'From Russia with Love.' Once or twice during the show there were sound blackouts, which the crowd filled with its own demonstrations. But the last straw came when the

sound was totally, and apparently irreparably, lost during the climactic flight on the train. Whole sequences passed unaudited, and waves of depreciating comments intermittently filled 26-100. Then, in a stroke of genius, some frustrated watcher called out "let's sit in after the show!" The idea spread, and was repeated with increased determination as LSC ran long minutes of silent film.

After the show, a percentage of the audience remained in place; seeing this, others reseated themselves, so nearly half remained in protest. Within moments, an LSCer and a Campus Patroller were on the platform; the crowd was given one minute to leave before the doors would be locked. registration collected, and Dean Wadleigh given the names of the offenders. (Meanwhile, the crowd of "600" waiting outside were told there would be a ten minute "technical delay.")

And in true Techman style, all but perhaps twenty of the remaining group duly rose and were herded out, kindly sparing the LSC any particular inconvenience.

M.L. '65

a statesman and progressive Republican is well known. He was a leader in the unsuccessful attempt to block Goldwater's nomination and to establish a forward-looking platform; he has served with distinction in the Senate, United Nations, Vietnam, and Europe. Mark Hatfield, the able Governor of Oregon, delivered the keynote speech of the 1964 convention and has likewise refused to endorse Goldwater.

Though the straw vote ballots will not contain specific lines for write-in candidates, write-ins will be allowed. Now is the time to vote your conscience. You do have a choice.

William J. Podolsky '65
VP, MIT Bull Moose Club

DeBerry—Shaw

To the editor:
On September 30, The Tech announced a mock MIT presidential election. I would like to call attention to the fact that a sizable minority of students here at MIT support the candidates of the Socialist Workers Party, Clifton DeBerry and Edward Shaw.

The presidential candidates of the SWP have already been certified for the ballot in eleven states. DeBerry and Shaw have appeared or will appear on the ballots in mock elections in many high schools and colleges. At Boston University, the student supporters of DeBerry and Shaw have been given full campaigning, and ballot privileges for their mock election.

The preservation and protection of minority party election rights is a fundamental part of our Constitution, and election laws. Yet here at MIT, UAP Samuels in a conscious and arbitrary decision (by his own admission) has denied the candidates of the Social-

ist Workers Party equal ballot rights. We who support DeBerry and Shaw protest the violation of our rights as students at MIT and as supporters of a minority political party.

We hope that in spite of the obstacles confronting our campaign you will investigate and consider the program of the Socialist Workers Party and that you will write in the names of Clifton DeBerry and Edward Shaw on the MIT mock presidential election ballot October 27.

Chairman, MIT Socialist Club
Leslie M. Evenchick, Grad.

Frosh Council election procedure criticized

Arrangements for those freshmen not taking 5.01, 5.41, or 4.021 to be represented on Freshman Council are explained in a memo posted last Friday on the Inscomm bulletin board and in this issue of The Tech.

As much as we would like to simplify the elections procedures for ourselves as well as you, since the Physics Department hosted Freshman Council elections last year and will be called on again next semester, fair play demands that we operate this semester in Chemistry.

From the interest shown already, the resulting "floating section" should be a valuable addition to the council.

Rich Sayre
Chairman,
Secretariat Elections Division

To clarify the election procedure, we have requested an answer to the above letter from the Chairman of the Secretariat Elections Division.

Editor

Inside Inscomm

Inscomm to poll faculty in addition to mock election

By Bill Samuels, UAP

The decision to poll the faculty in addition to the undergraduates and graduate students was a last minute step. The Johnson forces wanted the faculty included and the Goldwater camp voiced objection. None of the appropriate faculty members saw any reason to oppose the idea, so the decision to go ahead was made.

The results of the faculty poll should be heavily weighted for Johnson. President Stratton has announced for Johnson and Dr. Townes and Dr. Wiesner, both possible successors to Dr. Stratton, are backing President Johnson. Dr. Killian's position is unknown. No matter what the results of the faculty poll, the important result, I feel, is how the undergraduates and graduate students vote. The faculty poll will be done by mail.

We still have no speaker. Goldwater wrote us a couple days ago and said that his schedule is not yet known, but that he will let us know later if he can come to MIT. Meanwhile, ten more letters have been sent to 5 men in-

cluding Gov. Wallace, Wirtz, McNamara, Nixon and Scranton.

In my first column, I said that the Goldwater forces had an early lead in organization and could possibly be stronger on campus. Since then, the Johnson forces have developed a strong organization centered mainly around the Scientists and Engineers for Johnson. The latter group ran a poll which, they claim, showed that Johnson had a sizeable lead, two to one, many times, all over campus.

One last comment: graduate students will be allowed to use their bursar's card to vote with instead of the activities card which undergraduates will be using. This is because most graduates do not keep their activities card.

Spring Weekend

Remember last year's train ride? This was a weekend that proved that MIT can support a Spring Weekend without any subsidy. The committee that will be planning this year's events will be chosen very soon by Inscomm. Want to work on this committee? Any Sophomore, Junior or Senior is eligible. Leave your name with Betty in Litchfield Lounge or call me at 868-0079.

Lodge—Hatfield

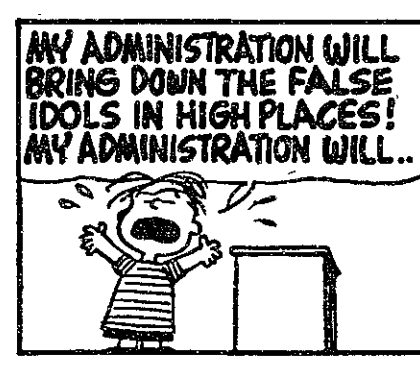
To the editor:
In carrying articles by Goldwater and Johnson supporters, The Tech has neglected an important element in the MIT straw vote: the campaign for a Lodge-Hatfield write-in. The Bull Moose Club has not undertaken this drive in jest. We are earnestly seeking a solid vote of confidence in liberal Republicanism by Republicans, Independents and Democrats. While the November 3rd election is not the place for such third candidate votes, the October 27th straw poll is a perfect time to emphasize any dissatisfaction with both party candidates. A significant write-in vote for Lodge from an important university would register a large impact, through the Associated Press, on the nation and on the national Republican Party.

Henry Cabot Lodge's record as

Statement of Ownership, Management and Circulation (Act of October 23, 1962; Section 4369, Title 39 United States Code):
1. Date of filing: Oct. 1, 1964.
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9. Paragraphs 7 and 8 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation, also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner. Names and addresses of individuals who are stockholders of a corporation which itself is a stockholder or holder of bonds, mortgages or other securities of the publishing corporation have been included in paragraphs 7 and 8 when the interests of such individuals are equivalent to 1 percent or more of the total amount of the stock or securities of the publishing corporation.
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New Zeta Beta Tau house \$250,000 investment

By Gene Sherman

The recent purchase of a new home by Zeta Beta Tau Fraternity represents a new phase in the life of a chapter which saw its second history begin in 1956. Designed expressly for fraternity living, the new ZBT house is located at 58 Manchester Road in suburban Brookline. One of the most recently completed fraternity houses on the East Coast, the ZBT house is a two-year-old home reflecting a quarter of a million dollar investment.

The move by the fraternity came this past August and brings ZBT a short half mile from the B U Bridge. The fraternity pre-

viously resided in the John Hancock Mansion at 2018 Commonwealth Avenue. "2018" was the first permanent home for the reactivated fraternity in 1958. Zeta Beta Tau had previously been on the MIT campus from 1911 to 1926. Thirty years later led by two transfer students who were ZBT's, the Dover Club was founded in Baker House. After a two year period of residing in a special section of Baker House, the new fraternity colony applied to the IFC and subsequently acquired its first home.

Only three and a half years after the initiation of the Dover Club into Zeta Beta Tau as the reactivated Xi Chapter, ZBT has acquired the ultimate in fraternity living. The fifteen thousand square foot home is a three story residence of brick construction. The fraternity quarters are presently confined to the first three levels, although expansion of the third floor will increase the sleeping accommodations of the fraternity in the near future.

The fraternity's main party room highlights the basement level of the home. With facilities adequate for 350 people, the party room has a lounge and dancing area centered about a magnificent brick fireplace. Adjacent to the party area is the recreation and television lounge with the chapter's twenty foot bar. Other features of the basement level include a chapter room, a conference room, a laundry area, and a workout room.



Photo by John Torode
ZBT's show off new quarter-million-dollar house. Located in Brookline, plush pad includes party lounge, TV lounge, chapter room, conference room, workout room and twenty-foot bar.

The first floor commons area is centered about an expansive living room. The adjoining dining room has accommodations for the service of 125 guests. The chapter's library is housed in a walnut-paneled den. In addition to hundreds of volumes this formal room contains many of the fraternity's awards and trophies in a handsome built-in display case.

The living area is confined to the second floor with the exception of the president's suite and three other bedrooms found on the first floor. Each member of the fraternity lives in a double or a triple, following in the chapter's tradition of personalized living accommodations. The rooms are handsomely decorated with maple furniture and accessories.

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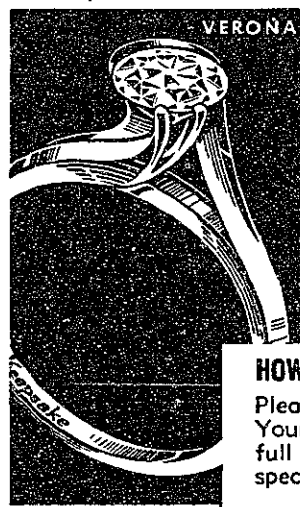
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movies...

Britain, Richardson score again

By Jeff Stokes

It has become fashionable among journalists of my strain to subordinate the movie to the cartoon, but in 'The Girl with the Green Eyes' I discovered a piece of Hollywood vastly superior to the superior cartoon that accompanied it. But the movie did not come from Hollywood; it came from Britain, across the seas, land of the Beatles and Tom Jones. If you liked 'Jones' you will like 'Green Eyes,' because Tony Richardson directed them

THE GIRL WITH THE GREEN EYES, now showing at the Kenmore Square Cinema, is based on 'A Lonely Girl' by Edna O'Brien. Directed by Tony Richardson; starring Rita Tushingham as Kate and Peter Finch as Eugene.

both. And they both far surpass Hollywood in originality and depth of meaning.

Why can't Yankee film artists outdo the British for once?

'The Girl with the Green Eyes' takes us into the subjective experience of an Irish country girl.

Kate Brady lives with a cute and consequently rather libertine gal who is her complete opposite. Right away we see that she is shy, sensitive, introvert, poetic, and not too rakishly attractive. Yet there is something about the hue in her eyes that fascinates a country gentleman twice her age. Or maybe it is because their natures match that they are drawn together: he too is thoughtful, poetic, introspective, and above all a romantic.

Unfortunately, he is also married. And yet that does not stop them from carrying on an illicit relationship that is neither immoral nor crude. Unlike Hollywood scenes we have no assurance that 'they lived happily ever after.' Eugene and Kate are toasting each other on their pseudo-wedding day: 'To love' says Eugene. 'To you,' replies Kate. 'To

us.' 'To happiness.' 'To us while we are happy.'

Eugene is a character worth studying. One can only speculate upon the state of nihilism or sadism or both that must exist in his mind. In any case he evidences the remarkable insight of the author into the human mechanism.

Miss Edna O'Brien seems to have deliberately chosen the setting of Joyce's 'A Portrait of the Artist as a Young Man' for her book and the movie, for which she wrote the screenplay. In particular you will notice the frequent repetition of the rain motif and the scene in which he watches her staring out to sea. If you identified yourself with James Joyce, you will definitely understand the movie.

As you may guess, the filming and directing was superb. The viewer is struck by two things: its realism and its subtlety of expression. The acting fits in perfectly with Lopert Picture Corporation's unique and artistic method. I only wish the United Kingdom had sent us something besides black and white copies; I wanted to see the eyes in color. 'The Girl with the Green Eyes' can be seen at the Kenmore Square Cinema, a ten-minute walk from here. I recommend it to everyone on campus.

Ian and Sylvia play to enthusiastic audience



Photo by George Jelatis

The folksinging duo, Ian and Sylvia, proved to be first class entertainment at the Class of '65 concert at Kresge last Saturday. The capacity audience of 650 couples demanded two encores.

Leinsdorf to conduct first Open Rehearsal with guest soloists

Eric Leinsdorf returns to conduct the Boston Symphony Orchestra with guest soloists Lili Chookasian and George London at the concerts of this Friday, Oct. 16 at 2:00 p.m., and Saturday, Oct. 17, at 8:30, and Open Rehearsal, Oct. 15, at 7:30 p.m. The concert will open with Schumann's Overture to Byron's 'Manfred.' Mr. Leinsdorf will follow this with the first Boston performance of an Excerpt and the Song of the Wood-Dove from Schoenberg's 'Gurre-Lieder.' The program will continue with 'Church Windows' by Respighi. The final work will be 'The Death of the Bishop of Brindisi' by Menotti, also a first Boston performance. Soloists will be George London, bass, and Miss Chookasian, mezzo soprano. The choruses will include the New England Conservatory Chorus, Lorna Cooke DeVaron, director, and a children's chorus from the Catholic Memorial and St. Joseph's High Schools Glee Clubs, Berj Zankochian, director.

The first concert of the 'Cambridge' series will take place Tuesday, Oct. 13, at 8:30, featuring Brahms' 'Academic Festival Overture', the Symphony No. 1 by Shostakovich, and Beethoven's No. 6 in F major, 'Pastoral.'

Silverstein to lead newly created Boston Symphony Chamber Players

The Trustees of the Boston Symphony Orchestra have announced the creation of the Boston Symphony Chamber Players. The first concert will take place at the Sanders Theater, Cambridge, on Sunday, Nov. 8. The Players will give concerts during their first season in Boston, New York, and Washington. The personnel will consist of Joseph Silverstein, Concertmaster, and all other princi-

pals of the Boston Symphony Orchestra. Tickets for the first concert, priced from \$2.50 to \$4.00, are now available at the Symphony Hall Box Office.

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movies...

Cannes winner now at Beacon Hill

By Andy Seidenfeld
'One Potato, Two Potato,' as one could deduce from the title, is about a child, and about the trouble unwillingly brought about by this child.
A divorcee, Julie (Barbara Barrie), with a five-year-old child moves into a small town where she has a job in a factory. She is the type of person who has trouble making new acquaintances. However, she meets another employee, Frank (Bernie Hamilton), they fall in love and

get married. There is nothing very unusual about that except that Julie is white and Frank is a Negro.
The couple live together with Frank's parents on their farm outside of town. Because of their social problem they isolate themselves from their former friends.
Julie's ex-husband returns to see his child — having been in South America for several years. Once he finds out that his daughter is being brought up in a Negro family he wants to take

custody of the child. His whole attitude is somewhat infantile; for example, he blames Julie for their divorce. 'You divorced me, I didn't divorce you' is the coward's excuse he uses.
Thus even though they were under the impression that they had broken through the social barrier and married for love, Julie and Frank's marriage now becomes exceedingly difficult.
Frank realizes that prejudice does exist and that due to the fact that he is a Negro his good 'friend,' a lawyer, is afraid to handle the case.
Julie, on the other hand, now faces reality: she has traded in her child for a husband. Can this be happiness?

The characters are all tragic; they are caught up in today's unjust world.
The movie is directed in such a way as to bring out the cast's natural acting ability. The photography is precise in that it helps develop the characters. The theme music is enchanting. Thus this award-winning picture (at Cannes) succeeds both as a movie as well as a message.

'One Potato, Two Potato,' playing at the Beacon Hill Theatre, is a very tense drama. It is a pity that stories as powerful and deep as this one are not seen on the screen more often.

Cafe Orleans opens on Charles St.

By John Montanus
A new coffee house has opened in Boston, the Cafe Orleans at 13 Charles Street. Like the traditional coffee houses in Europe, all it offers is a chance to enjoy good coffee and conversation with friends in relaxed surroundings.

atmosphere and the quality of the refreshments make a favorable impression on any girl. For a different and pleasant evening, the Cafe Orleans is recommended.

Excellent coffee and chocolates whoosh and steam from an antique coffee urn of giant proportions; also available are first class cheeses, pastries and sandwiches. Tapes provide a quiet background of music. Prices are very reasonable.

The Cafe Orleans is a fine place to end a date, whether the evening has been spent on the town or at a private party. The



Making the Scene

THIS WEEK MUSIC
MIT Humanities Series — The Borodin String Quartet of Moscow, first American tour; Oct. 18, 8:00 pm, Kresge Auditorium; tickets \$2.50 each, \$10.00 series for 5 concerts; available at the Box Office, ext. 2610.
Jordan Hall — Miklos Schwalb, pianist, in a program of music by Schumann, Rachmaninoff, and Bartok; Oct. 14, 8:30 pm, admission free.
Gardner Museum — Oct. 17, 3:00 pm, Jerry Bramblett, piano; program: Handel, Suite No. 3; Mozart, Sonata in D, K. 576; Debussy, Two Preludes, Oct. 18, 3:00 pm, Carol Rand and Newton Wayland, pianists; program: Brahms, five Waltzes from Op. 39; Bartok, Sonata; Rachmaninoff, Suite No. 2. Both concerts free.
MUSIC HALL — Antonio and the Ballets de Madrid, company of 76; Oct. 13 thru 18, 8:30 p.m.; tickets \$2.00 to \$7.50.

THEATRE
LSC Contemporary Series — 'Sundays and Cybele,' Oct. 16, 8:30 and 9:30 pm, Kresge Auditorium; admission 50c.
LSC Entertainment Series — 'Charade,' starring Gary Grant and Audrey Hepburn; Oct. 17, 5:15, 7:30 and 9:45 pm, Room 26-100; admission 50c.
LSC Classics Series — 'Of Mice and Men,' Oct. 18, 8:00 pm, Room 10-250; admission by membership ticket only.

LECTURE
Ford Hall Forum — Harry Schwartz, 'Tsars, Mandarins, and Commissars,' Oct. 18, 8:00 pm, Jordan Hall; admission free.

MISCELLANEOUS
Museum of Science — 'The Earth from

S M T W T F S
14 15 16 17
18 19 20 21 22 23 24
25 26 27
Space, a special exhibit showing the earth as seen from a space station; at the Hayden Planetarium through Nov. 29. Admission 50c, plus the museum admission fee of \$1.00.
Museum of Fine Arts — opening Oct. 15, the Frederic Law Olmstead Memorial Exhibition: photos of the work of America's first landscape artist, creator of the Boston and New York park systems. Starting Oct. 20, Toulouse-Latrecentenary exhibition.
Faculty Club Exhibit — Paintings by R. J. Matthai; through October.

NEXT WEEK MUSIC
Kresge Auditorium Organ Concerts — E. Power Biggs; Oct. 24, 8:30; tickets \$1.50 each, \$4.00 series; no reservations.
Celebrity Series — Oct. 22, evening, London Symphony Orchestra; Oct. 25, afternoon, Byron Janis. Admission by Series ticket only.

Gardner Museum — Oct. 20, Janet Winburn, mezzo-soprano, Myron Press, piano; program: Vivaldi, Sabat Mater; Joseph Hass, Lieder des Glucks; Eliss, American Poems, Oct. 22, Joel Sachs, program: Scarlatti, Two Sonatas; Webern, Variations for piano, op. 27; Schubert, Sonata, A major; Oct. 24, Leslie Holmes, soprano, Herbert Mayer, program: Wolf, Verborghheit Nimmersatte Liebe Mignon; Poulenc, Fetes Galantes; Herbert Mayer, O Come Quickly; Oct. 25, Joan Caplan, mezzo-soprano, Kenneth Manzer, piano; program: Handel, Vaghe pupile; Donizetti, Brindisi; Mahler, Das irliche Leben; Massenet, Letter scene; Barber, Hermit songs. All concerts at 3:00 p.m. Admission free.

Bob Dylan — Sat. Evening, Oct. 24, at Symphony Hall.

New England Conservatory Symphony Orchestra — Oct. 21 at 8:30 p.m. Program: Walter Piston, Toccata; Robert Cogan, Fantasia; Leon Kirschner, Toccata; Anton Bruckner, Symphony No. 5; Jordan Hall; admission free.

LECTURES
Ford Hall Forum — Willem T. Oltmans, 'China's Weaving of the Afro-Asians,' Oct. 25, at 8:00, in Jordan Hall; admission free.

THEATRE
Boston University Theatre — 'As You Like It,' directed by Douglas Seale; Oct. 22 thru 24. For tickets contact Karen C. Gaines, CO 2-4300, Ext. 8216.

LSC Contemporary Series — 'The Defiant Ones,' Oct. 23, 6:30 and 9:30 p.m. Kresge Auditorium; admission 50c.

LSC Entertainment Series — 'Seven Days in May,' Oct. 24, 5:15, 7:30, and 9:45 p.m. Room 26-100; admission 50c.

LSC Classics Series — 'What Price Glory?', Oct. 25, 8:00 p.m. in Room 10-250; admission by membership ticket only.

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LECTURE SERIES COMMITTEE CALENDAR

Contemporary Series	Entertainment Series	Classic Series
SUNDAYS AND CYBELE	CHARADE	OF MICE AND MEN
FRIDAY, OCTOBER 16	SATURDAY, OCTOBER 17	SUNDAY, OCTOBER 18
7:00 9:30	5:15 7:30 9:45	8:00 10-250
26-100 50c	26-100 50c	Admission 50c or by membership card.

Borodin String Quartet to play in Kresge

On its first American tour, the Borodin String Quartet of Moscow will appear in MIT's Kresge Auditorium on Sunday, Oct. 18 at 3 p.m. The Borodin Quartet's performance is the first of five

events in the MIT 1964-1965 Humanities Series and will include the Quartet No. 2 in D major by Alexander Borodin, the Quartet No. 3 of Hindemith, and Beethoven's Quartet No. 14 in C sharp minor.

The quartet consists of Rostislav Doubinsky, 1st violin, Yaro-

slav Alexandrov, 2nd violin, Dimitri Shebalin, viola, and Valentin Berlinsky, cello.

Series tickets are now available for \$10. Tickets for single performances will go on sale after Oct. 10 for \$2.50. Mail requests for tickets with a check and a self-addressed envelope to the Box Office, Kresge Auditorium, MIT.

'Hay stack' tolerances cited

(Continued from Page 1)
of 10,000 megacycles per second. Preliminary measurements indicate that the antenna may be used efficiently at frequencies of two or three times higher, with beam width affected by a factor no greater than three. Pointing accuracy is given as .005 degree, or 18 seconds of arc. A special digital electro-mechanical system has been developed for Haystack that indicates angular changes of less than 2.5 seconds of arc.

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massive structure is turned with a 20-horsepower motor. Protecting the antenna is the largest metal-frame radome in the world.

Panels comprising this structure have a total area of about 1.5 acres, in the shape of a truncated hexacontahedron.

Siefkes visits Chile

The Peace Corps has announced that Donald H. Siefkes '64, left for Chile with 30 other volunteers on October 5.

The group will serve as instructors in five of Chile's universities and selected schools.

Attempted swandive

At approximately 8:10 Monday night a woman was forcibly restrained from leaping off the Harvard Bridge. The MDC reported that the woman, resisting violently, was taken to Massachusetts General Hospital.

Movie Schedule

Wednesday, October 14 through Tuesday, October 20 (Unless otherwise stated, the Sunday schedule is the same as the weekday schedule except that no movies are shown before 1:00 p.m.).

ASTOR — 'That Man From Rio,' 10:00, 12:20, 2:45, 5:00, 7:30, 9:55.

BEACON HILL — 'Topkapı,' no times available.

BOSTON CINERAMA — 'Circus World,' eves. at 8:30, mats. Wed. at 2:00, Sat. and Sun. at 2:00 and 5:15.

BRATTLE — 'Resurrection,' 4:30, 7:00, 9:30; starting Sun. 'Muriel,' 5:30, 7:30, 9:30, mats. Sun. and Sat. 3:30.

CAPRI — 'Lorna,' 10:50, 12:40, 2:30, 4:20, 6:10, 8:00, 9:50, Sun. 1:50, 3:40, 5:30, 7:20, 9:10.

CINEMA KENMORE SQUARE — 'Girl With Green Eyes,' no times available.

ESQUIRE — 'Sporting World' and 'Billy Liar,' 7:45 and 9:45 ex. Sat. and Sun. continuous.

EXETER — 'Mafioso,' 2:10, 4:00, 5:00, 7:40, 9:30.

GARY — 'Four Days in November,' 10:30, 12:45, 3:00, 5:15, 7:30, 9:40.

HARVARD SQUARE — 'A Shot in the Dark,' 2:10, 4:00, 6:00, 8:00, 9:45.

KEITH MEMORIAL — 'Send Me No Flowers,' no times available.

LOEW'S ORPHEUM — 'Fallsafe,' 9:45, 11:45, 1:45, 3:45, 5:45, 7:45, 9:50; Sun., 1:25, 3:25, 5:25, 7:30, 9:30.

MUSIC HALL — Live 'Antonio and the Ballets de Madrid,' Tues. through Sat., 8:30, Mats. Sat and Sun. at 2:30.

PARAMOUNT — 'Kisses for my President,' 9:30, 12:25, 3:20, 6:20, 9:15, Sun. 1:00, 3:55, 6:45, 9:40.

PARK SQUARE CINEMA — 'Seduced and Abandoned,' 1:30, 3:35, 5:40, 7:45, 9:55.

PARIS — 'Cartouche,' no times available.

SAXON — 'The Visit,' 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.

UPTOWN — 'Marnie,' 12:50, 5:10, 9:30, Sun., 1:00, 5:15, 9:30; 'The New Intern,' 10:45, 3:00, 7:20, Sun. 3:05, 7:20.

Theatres

CHARLES PLAYHOUSE — 'A Touch of the Poet,' Wed. at 8:00, Sat., 5:30, 9:00, Sun., 3:00, 7:30, other evenings except Mon. at 8:30.

COLONIAL — 'Barefoot in the Park,' eves. except Sun. at 8:30, mat. Sat. at 2:30.

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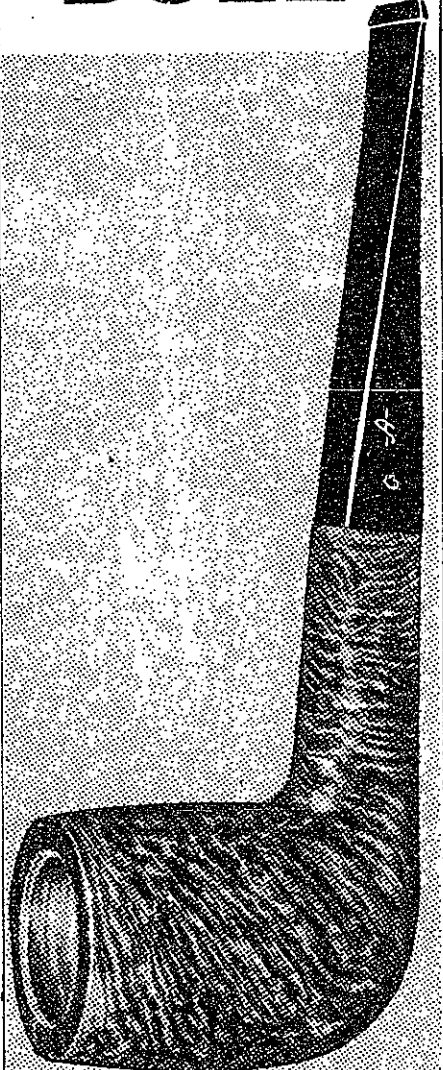
October 14, 8:30 P.M., Cleveland Auditorium, Cambridge High & Latin School, corner Broadway and Trowbridge. Admission Free.

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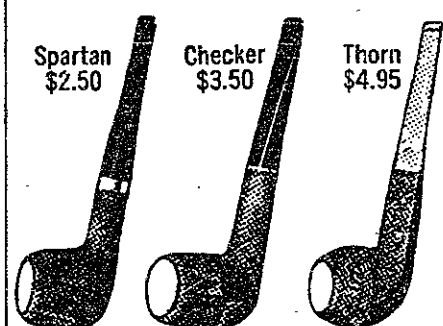
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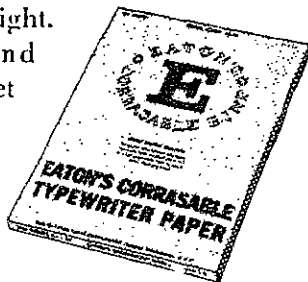


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Presidential election debate continues

Goldwater

By David Nolan

Who are the Goldwaterites? Are we a "radical group" of "unwittingly irresponsible individuals" as some have charged? Are we merely "flag-waving extremists and reckless defenders of 'freedom'?"

Undoubtedly there are some "ultras" in our ranks, just as there are in the ranks of our opponents, — but these are not the heart of our strength. Our supporters are for the most part ordinary American citizens, millions upon millions of them. These people, many of them well-educated and young, do not wish to starve the poor or drop the bomb, any more than their "liberal" compatriots.

We, like those we represent, have seen the tide of events running against freedom — and quote-mark it as you may, freedom is still an important word, perhaps the most important word in the world today. We do not want to lose our freedom.

Our country was built by men who believed in the importance of freedom, and of individual self-reliance and achievement. Now, nearly two centuries after our beginnings, those ideals are being lost. More and more, the values being stressed, particularly by our Democratic opponents, are those of "security" and "equality."

But security without freedom is not only illusory; it is a short-lived thing. For once one has lost freedom, security will soon be destroyed by those who aspire to ultimate power.

As for "equality," those who would legislate artificial equivalence among men forget that we are equal only in our Constitutional rights, and not in our abilities or worth to society. A government which proclaims the incompetents and the parasitic to be the "equal" of skilled and productive men, entitled to the same rewards and to paternalistic protection against life's realities, has in effect reduced those who produce to the status of servants of the non-productive.

Those of us who support the Arizona Senator do not believe that others have the right to manage our lives, liberty or property. We believe in the fundamental dignity of the individual — in treating each as he earns the right to be treated — as opposed to the collectivistic philosophy of false equality where a talentless and lazy parasite is accorded all the privileges of those who discover, invent and produce wealth.

In short, we believe that all men, regardless of race, creed, or national origin, are entitled to life, liberty, and the pursuit of happiness — but not to happiness itself, unless they earn it.

Johnson

By Aaron Seidman

At a time when the United States and the entire world face their severest test; when exponential increases in information and population threaten to get out of hand; when technological advances in warfare call for insight and foresight in order to preserve not only American civilization but that of the rest of the world as well; when it is essential that there be a meaningful debate on the problems facing the nation—at this time the Republican party has failed the United States of America.

The Democratic Party, with the aid of forward-looking Republicans, has led the fight for true democratic government throughout the entire country. The Kennedy-Johnson administration has concerned itself with conserving our national resources, eliminating pollution in our rivers (including the Charles) and in the air we breathe. It has encouraged the development of educational opportunities at all levels and fostered an unprecedented era of economic development. Against this, the Republican Convention has offered us nothing.

This is the real problem of this year's election campaign. On the one hand, President Johnson is committed to do something about current problems and has for a long time shown great skill and responsibility in the development and implementation of programs responsive to the country's needs. Contrasted with this is a candidate who has a negative, destructive record in the Senate, a platform that stresses what he will not do, and a campaign strategy based on uniting as many "anti-" groups as he can.

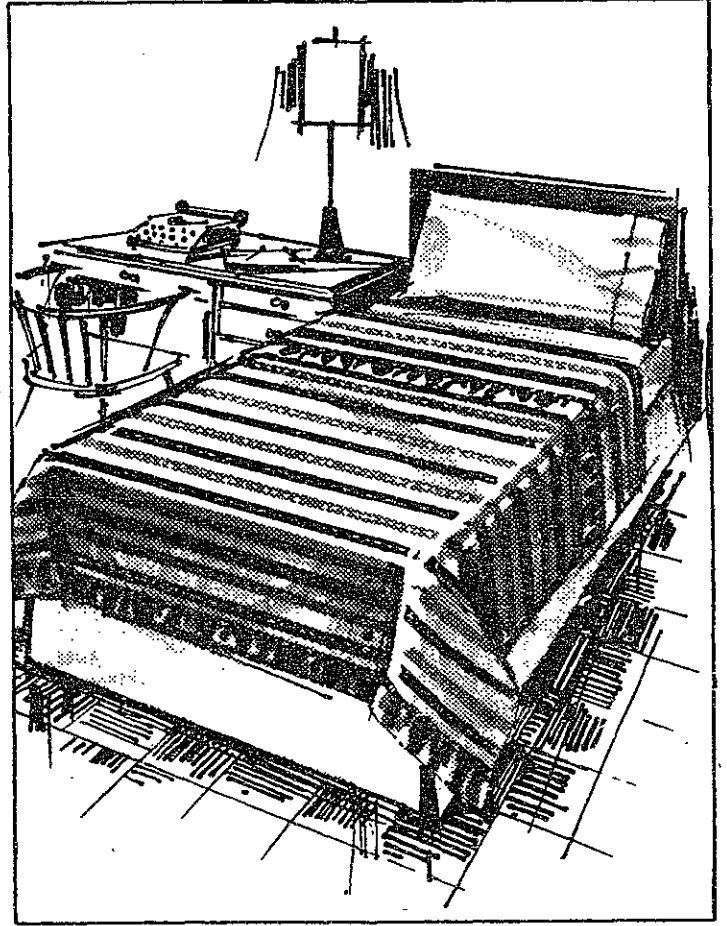
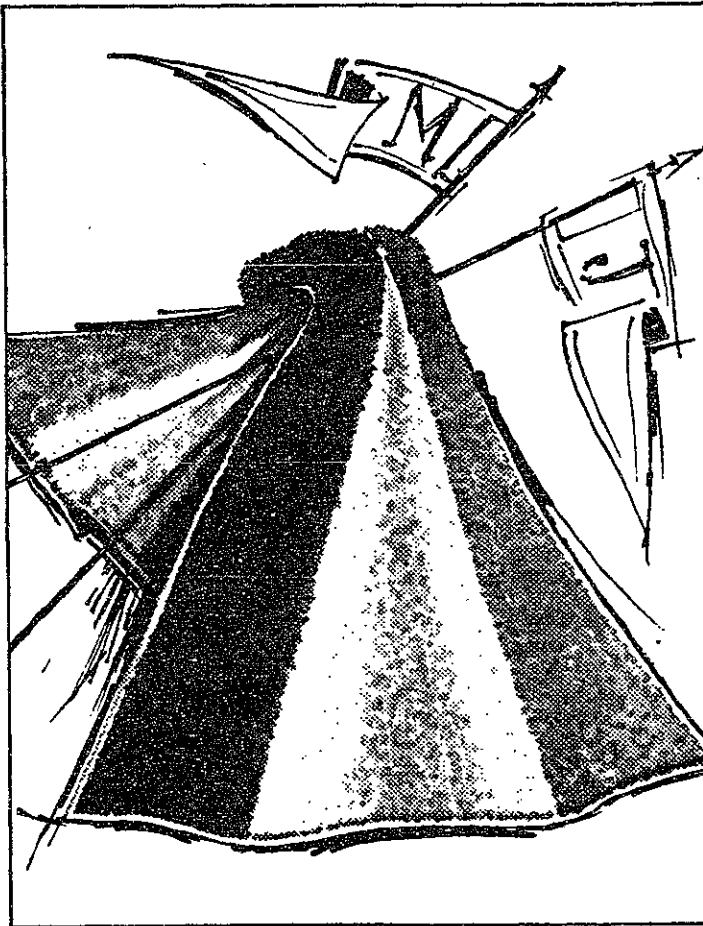
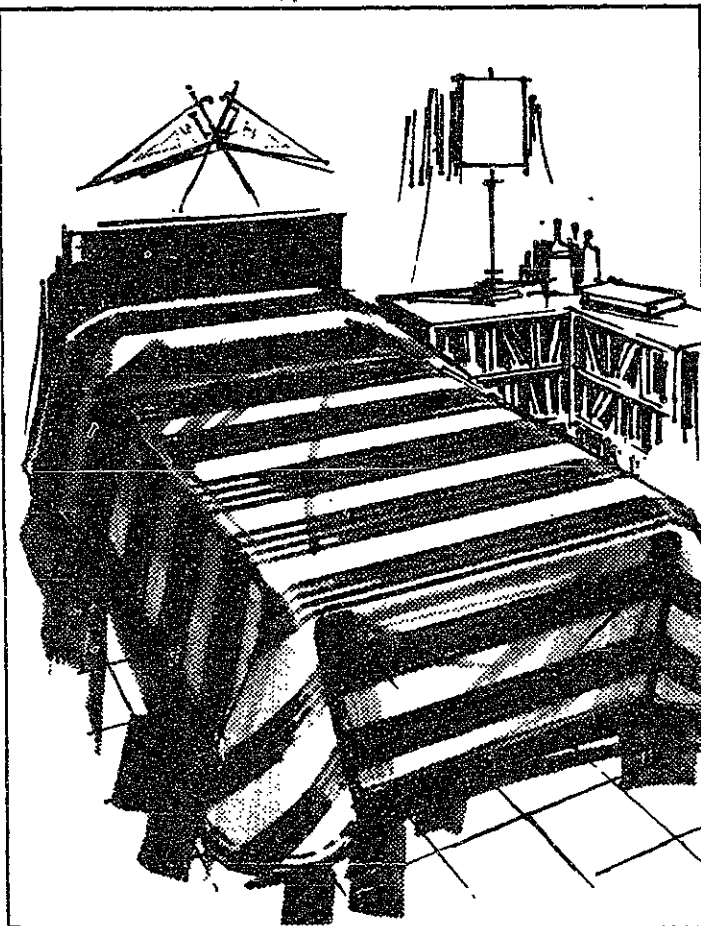
The Goldwater camp is failing to fill the role of an effective opposition; it simply refuses to deal with issues. Unfortunately, pretending that a situation does not exist will not make it go away. We live in a real world with real poverty and real hunger and real problems in urban transportation — and real thermonuclear weapons.

That is why Scientists and Engineers for Johnson and Humphrey are actively campaigning on campus and sponsoring such activities off campus (in cooperation with other Greater Boston sections) as tonight's panel discussion on "The Presidency in the Atomic Age" (at Cambridge High and Latin, Broadway and Trowbridge St., 8:30 p.m.) featuring Jerome Wiesner and C. H. Townes of M.I.T. and G. B. Kistiakowsky and Stanley Hoffman of Harvard and moderated by M.I.T.'s Lincoln Bloomfield.

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Poegler qualifies for ECAC finals

By Gerry Banner

Al Poegler's 79 last Saturday, which qualified him for the ECAC finals next Monday, highlighted a busy week for the MIT golf team. Monday, October 6, saw the Techmen finish fourth in the Greater Boston team championship and Friday saw them lose a close 4-3 match to U. of Vermont.

In the Greater Boston cham-

pionship at Weston Country Club, Poegler '65 and Pete Lubitz '65 led the team with 161 and 162 respectively over the 36 hole route. Other scores were Dick Shoemaker '65, 167; Dave Macmillan '67, 169; Ron Olson '65, 177; Captain Tom Hedberg '65, 182; and Al Paucher '66, 185.

Lubitz wins third straight

Lubitz won his third straight

individual match with a 76 in the 4-3 defeat by Vermont. A 19th hole victory by Poegler with an 80 and a sparkling comeback win by Olson with an 84 were the other Tech victories. Eighty-three's by Ray Tenneson '66 and Shoemaker, an 84 by Macmillan, and an 87 by Paucher were not good enough against stronger Vermont opponents.

Course wet and cold

Over a rainy and chilly course in the ECAC qualifying, Lubitz's 82, Olson's 86, and Shoemaker's 91 could not match teammate Poegler's 79. Only the latter qualified for the individual finals to be held on Long Island next week.

Today the golfers will test their skills against Babson and Boston College. The home match will begin at 12:30.

Rugby Club loses twice to Boston; Van Tienhoven scores only goal

By Neal Gilman

The MIT Rugby Club lost both matches against the Boston Rugby Club last Saturday. They were outscored 11-3 in the first game and 8-0 in the second.

The ball control displayed by the Boston R.C. proved to be the winning factor in both games. Boston won the large majority of scrums and lineouts, keeping MIT's possession of the ball to a minimum.

The only MIT score in the match occurred in the first half of the first game. On an offside penalty kick against Boston R.C., Tom Van Tienhoven '66 kicked a 25 yard field goal and MIT pulled ahead 3-0. This, however, was the only time MIT led. In the second half, Boston R.C. promptly

scored a touchdown and conversion for five points. They later widened the gap by scoring two more touchdowns and one conversion to round out the final score at 11-3.

Tennis squad romps over Rhode Island 9-3

The varsity tennis team emerged victorious from a match with the University of Rhode Island in Kingston October 8. The Techmen lost only three out of twelve singles matches and won all six doubles matches.

Winning in singles were Cap-

tain Bill Petrick '65, 5-7, 6-4, 7-5, Paul Ruby '66, 6-3, 6-2, Eric Coe '67, 6-2, 3-6, 6-3, John St. Peter '67, 6-2, 6-2, Don Ward '65, 6-2, 5-7, 6-1, Jon Burkhardt '65, 7-5, 6-0, Mark Glickstein '66, 6-2, 6-2, Phillips Bails '67, 9-11, 6-3, 6-2, and freshman George Shapiro, 9-7, 4-6, 6-1.

Singles losses included Ken Coe '65, 4-6, 6-2, 4-6, Doug Patz '65, 2-6, 6-2, 6-8, and Hank Peritt '66, 4-6, 3-6.

Petrick and Ruby will journey to Brandeis with a good chance to sweep the tournament there next Saturday, October 17. There will be a rematch with Rhode Island October 20.

Girl sailors take 2nd in Regatta

MIT's women's sailing team finished second to URI in its 1st NEWICSA Regatta at the University of Rhode Island against seven other schools. In competition held at Boston University last Sunday, the girls finished 2nd out of 8 teams entered, with Wellesley winning.

The skippers for the races at URI were captain Ruth Beckley '67 in three races and Barbara Desmond '67 in one race. The crews were Alix Berstingle '68, Karen Henry '67, and Carol Hoffman '67.

First hoop practice to be held Thursday

The first practice for prospective members of this year's varsity basketball team will be held on Thursday, October 15 at 5:30 p.m. in Rockwell Cage. This is an open call for all members of last year's varsity and freshman squads and any other students who would like a chance to try out.

The returning lettermen, Bob Grady '65, Frank Yin '65, Jack Mazola '66, George McQuilken '65 and Jim Larsen '65, expect to receive ample support from the members of the Class of '67 who, last year, had one of the best seasons in MIT's history. The coach, Mr. John Barry, is looking forward to his fourth consecutive winning season.

How They Did

Baseball

Vermont 6, MIT (V) 0

Cross Country

Springfield 23, MIT (V) 41,

Williams 72

Springfield 32, MIT (F) 42,

Williams 48

Golf

Vermont 4, MIT (V) 3

Sailing

MIT (V) placed second in NEISA

Sloop Eliminations at Coast Guard

MIT (V) first in Wood Trophy

MIT (V) first in Oberg Trophy

MIT (F) first in Hexagonal

Soccer

MIT (V) 3, Harvard 3

Middlebury 2, MIT (V) 1

MIT (F) 5, Medford High School 1

Connecticut 2, MIT (F) 0

Tennis

MIT (V) 9, URI 3

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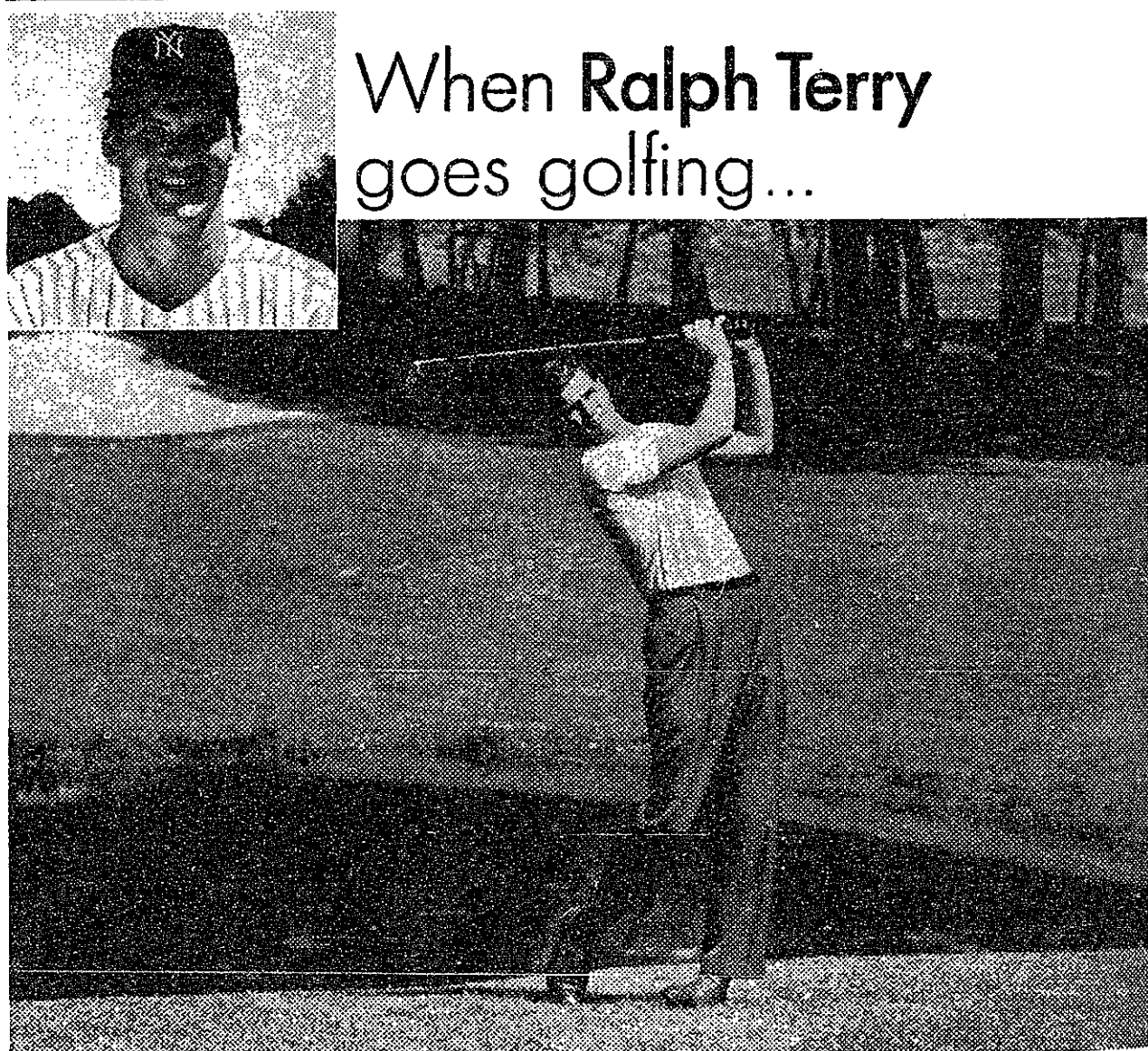
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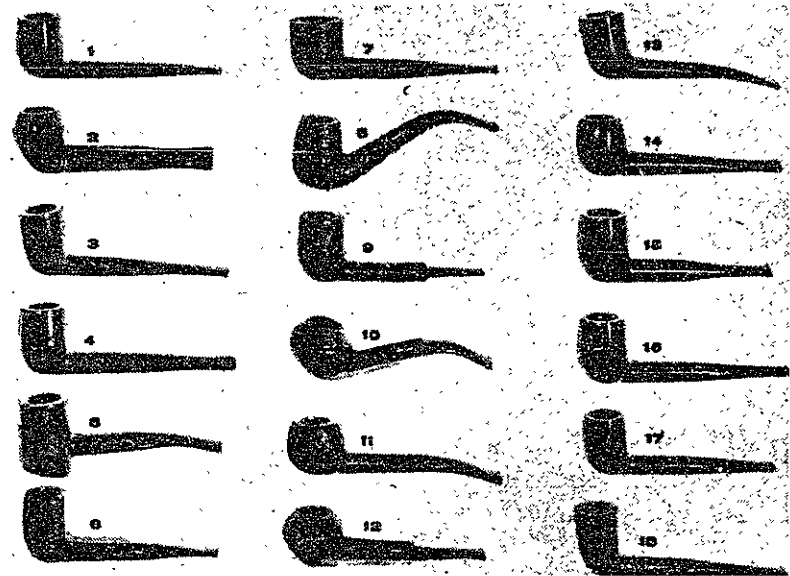
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On Deck

Today, Wednesday, October 14
Golf (V) Babson, Boston College, Home, 12:30 pm

Thursday, October 15
Soccer (V) Tufts, Away, 3:00 pm
Soccer (F) Tufts, Home, 3:00 pm

Friday, October 16
Golf (V) ECAC Finals at Bethpage, NY (continued Saturday)

Saturday, October 17
Cross Country (F) New Hampshire, Away, 2:00 pm

Cross Country (V) New Hampshire, Away, 2:30 pm

Sailing (V) NEISA Team Racing Championship, Preliminaries "A", at Coast Guard (continued Sunday)

Soccer (V) Amherst, Away, 1:00 pm
Soccer (F) Harvard, Away, 3:00 pm
Tennis (V) Brandeis Invitational (continued Sunday)

Monday, October 19
Golf (V) Brandeis, Away, 12:30 pm

Frosh sports

Soccer team swamps Medford, 5-1

By John Kopolow

The MIT freshman soccer team soundly defeated Medford High School in its first game of the season by the score of 5-1. Then they lost 2-0 to Connecticut in the second game. Against Medford they quickly built up a 4-0 lead by the end of the first period and coasted in the rest of the way with the reserves seeing a lot of action. They outthrusted their opponents and dominated the game both offensively and defensively. Julius Gutman and George Busby scored two goals apiece for the victors, and Harmon Clow got the fifth. Fullback Jimmy Clark and halfback Jack Russell were standouts on defense.

In their second game the frosh lost to a very well balanced Connecticut University team Satur-

day. The contest was hard-fought, and the difference between the two teams was mainly in Connecticut's superior depth. The game could have been even closer if MIT had cashed in on some of the excellent scoring opportunities they had.

Cross-country

After finishing second to RPI a week and a half ago, the freshman cross-country team again had to settle for the runner-up spot in its second meet of the season last Saturday. A strong Springfield College squad was the victor with 32 points, MIT had 42, while Williams College had 48.

One very bright spot for the frosh was Don Hogan, who finished first with an excellent time of 13 min. 24.6 sec. This being the first race on MIT's new

course Hogan presently holds the freshman course record. Others running well for Tech were Sherman Hannah and Pete Peckarsky, both with times of just under fourteen minutes. The team will be looking for its first victory this Saturday at the University of New Hampshire.

Sailing

The frosh sailing squad participated in the Hexagonal last Saturday and came out on top by six points. MIT totalled 66 points, Harvard was second with 60, and Wesleyan took third with 54. Other schools in the meet were Yale, Babson and Boston College. Racing well for Tech were George Foote, Peter Hurley and Mark Johnson. The team will compete next in the Octagonal at the University of Rhode Island on October 25.

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Tech Catholic Club Wednesday Evenings Meetings

- Oct. 14 Fr. Desautel, S.J., of Holy Cross College, on "Voltaire"
- Oct. 21 Panel Discussion — Deans Wadleigh and Mattfeld, Dr. Snyder on "Student Morality"
- Oct. 28 Fr. Dewing, S.J., of Holy Cross College on "Freedom and Obedience to Law"
- Nov. 4 Fr. Drinan, S.J., Dean, B.C. Law School, on "Problems of Church and State"
- Nov. 11 Celia Hubbard of The Botolph Group, on "Modern Liturgical Art"
- Nov. 18 Business Meeting — Election of Officers
- Dec. 2 Fr. Hennessey, C.P., of St. Gabriel's Monastery, on "English Liturgy"
- Dec. 9 Prof. Kepes of M.I.T., on "Light In Art" (Library Lounge, 14E-310)
- Dec. 16 Christmas Party
- Jan. 6 Dr. Hans Lechner, visiting professor, M.I.T., on "Religion In Germany Today"
- Jan. 13 Fr. Sullivan, S.J., B.C. Biology Department, on "Catholicism and Evolution"
- Jan. 20 Divine Liturgy of The Byzantine Rite (M.I.T. chapel)

All except Dec. 9 and Jan. 20 in Bush Room, 10-105, 7:15 p.m.

Question period, refreshments and discussion follow. All welcome.

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Sailors 2-1 in weekend races

By W. Thomas Compton

The sailing team had a big week with three consecutive meets. Saturday they traveled to Coast Guard for the first eliminations of the N.E.L.S.A. Sloop Championships where they qualified in second place. Sunday saw them take the Wood Trophy at Brown. Monday they swamped the Oberg Trophy by a 52-point margin, proving to be poor hosts in the Charles River meet.

Schwanz takes 3 1sts

At Coast Guard, racing Ravens, Don Schwanz '66 skippered to three firsts in his first three races. Then he got pinned by another boat in the next two races and came in last. The winds were variable all day but when it would remain fairly steady, the Engineers won by wide margins.

Ed Shaw '65, Jack Turner '66, and Jim Cronburg '67 made up the rest of the qualifying team.

Holy Cross upset MIT for their first defeat in almost a year.

Beverly Dinghies were sailed for the Wood Trophy. There were light tides and fairly heavy winds in the morning that changed to heavy tides and light winds in the afternoon. But not even the weather could foil captain Terry Cronburg '66 as he raced to three firsts out of three races.

Schwanz, Shaw, and Chet Osborn '67 made up the rest of the Engineers first place team. Shaw, skippering in division A along with Cronburg, got a second and a last. The last was the result of a broken centerboard that went unnoticed until after the race was over. In division B Schwanz had a first and two thirds and Osborn had a third and a breakdown. If the collar had not come loose and the mast fallen, he probably would have won the race.

Oberg Trophy no contest

MIT never let the opposition get close as they stormed their way to the Oberg Trophy by a record margin. MIT had a 52-point margin over second place Harvard—59% of Harvard's total output.

Tech's team consisted of both Cronburg's, Schwanz, Osborn, Shaw, Mike Johnson '66, Tom Maier '67, and Jack Hall '65, most of them skipping at one time or another. MIT won all three divisions in rolling to victory. The winds were northwesterly at 10-15 mph in the morning picking up to 20-25 mph out of the west by afternoon.

Cronburg sweeps again

In division A Terry Cronburg skippered the first three races and got three firsts. After 92% last week and 100% twice this week, Cronburg has more than proved to be New England's top skipper. Shaw skippered the last four and got three firsts and a second.

In division B Schwanz took two first and a second with Johnson taking a first, two seconds and a third. In division C Osborn took four firsts and Maier took two firsts and two seconds.

Brown wins again

Harriers run second to Springfield College

By Armen Varteressian

MIT runners took second place last Saturday, October 10th, in a triangular meet against Springfield and Williams colleges. Springfield took honors with 23 points, followed by Tech's 41 and Williams' 72.

Tech runner Sumner Brown '66 took his usual first place, running the 3.75 mile course in 18:35. The only other runner to break the 19 minute mark was Springfield's Putnam, who ran second to Brown in 18:52.

The four other Tech runners who scored were: Bill Purves '65, 8th place; Rob Wesson '66, 9th place; Dick McMillin, '65, 10th place; and Don Raab '67, 13th place. Purves, Wesson, and McMillin all finished within 16 seconds of each other, Purves in 20:01, Wesson in 20:14, and McMillin in 20:17.

Top five for Springfield were: Putnam 2nd, Wells 3rd, Knight 5th, Calkins 6th, and Nichol 7th. Williams' first five consisted of



Photo by Steven Rife

Sumner Brown '66 leads all harriers at the triangular meet with Springfield and Williams colleges.

4th place Orr, Babington and Tuttle at 15th and 16th, and Kessler and Brewer at 18th and 19th.

Booters tie Harvard in overtime; Fall to Middlebury in final minutes

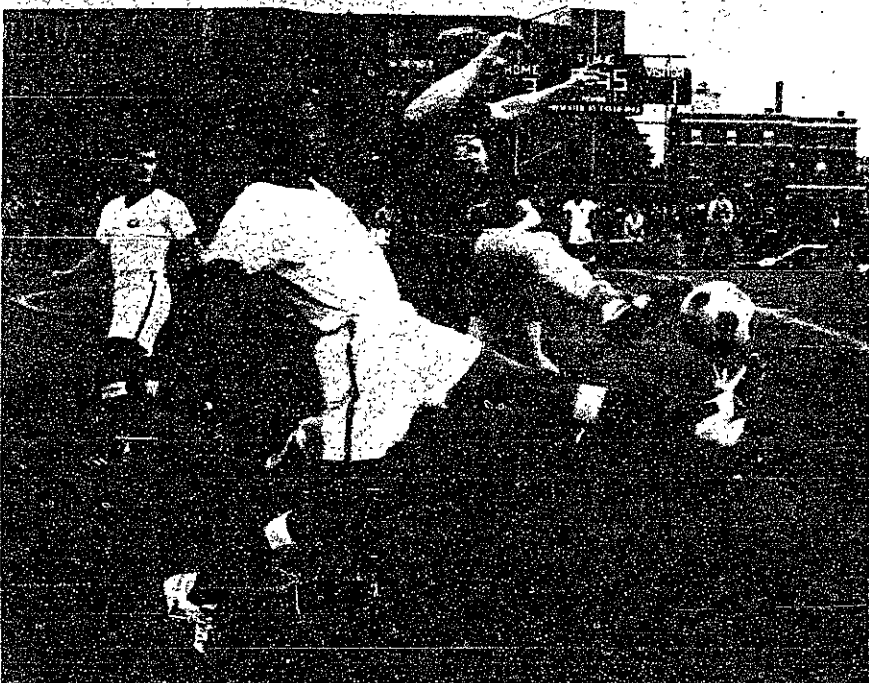


Photo by John Torode

Fullback George Jones '67 is breaking up a Harvard pass at midfield during the third period of the game on Briggs Field last Wednesday. Defenseman Phil Hardin '65 looks on. The game went into overtime and finally ended up in a 3-3 deadlock.

By Jack Seaquist

Led by the fine performance of goalie Avram Markowitz '67 and the two goals of senior Nick Stepnick, the MIT varsity soccer team was able to hold on to a 3-3 tie with Harvard here at Briggs Field, Wednesday. However, in Saturday's encounter against highly rated Middlebury, the Techmen couldn't hold off a late drive and suffered a 2-1 defeat.

Stepnick scores twice

In Wednesday's game, as in most of MIT's games, Tech took an early lead, but failed to hold it in the waning moments. In the first period, Ed Roberts '65 started the scoring with a shot off his stomach at 5:08, but Fred Akuffo of Harvard evened the score with 24 seconds remaining in the period. The second period featured the dual goal performance of Stepnick as he kicked them in at 13:53 and 18:59.

MIT's troubles started in the second half as Andy Kydes of Harvard scored on a penalty kick from the front of the net at 19:06 of the third period. The Techmen, hoping to hold on to a 3-2 lead, had their hopes shattered at 7:52 of the fourth period as sophomore substitute Dudley Blodget of the Crimson managed to sneak the ball past goalie Markowitz in a scuffle in front of the net.

Markowitz saves 24

Two overtime periods proved to be no avail as the final gun sounded with the score deadlocked at 3-3. One bright spot in the game for MIT was the performance of goalie Markowitz. He was all over the net as he was credited with 24 saves including 6 in the two five-minute overtime periods.

For Harvard this game was their closest to a defeat as they came into the game with a 2-0 record.

In Saturday's game, Middlebury

scored at 1:02 of the first period and again with 1:51 remaining in the fourth period to hand MIT its second loss of the season as Middlebury gained its third straight win against one loss.

Miron scores

A goal by Jose Miron '66 of MIT at 1:11 of the first period was the only score for the Techmen, but it wasn't enough to hold on to another tie.

MIT's record is now 1-2-1 as they go on the road this week with a game Thursday at Tufts to be followed by Amherst Saturday.

Baseball team drops final fall game 6-0

By Russell Mosteller

MIT's baseball team closed its '64 fall season with a 6-0 loss to Vermont. The Techmen collected only three hits and aided the Vermont cause with four errors.

The game was fought on even terms throughout the first three innings. In the fourth, however, Vermont put together a hit batsman, a single, a dropped pop fly, and a passed ball for two runs. They subsequently scored again in the fifth, twice in the sixth, and once in the seventh.

Tech's only hits were singles by Tom Bailey '66 in the third, Ron Kadomiya '67 in the fifth, and Bob Yanus '65 in the seventh.

The frigid weather and gusty winds were not conducive to good baseball as the Engineers dropped their first game. Tech's two wins against Boston University a week ago equaled the victory total of the entire '64 spring season.

R H E

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2 decided in overtime

SAE, BTPi, TC, DTD win titles

Overtime victories by Theta Chi and Beta Theta Pi and wins by Sigma Alpha Epsilon and Delta Tau Delta highlighted the final week of regular season intramural play. Next weekend, playoffs will begin to determine the champion.

Theta Chi 12, Fiji 6

Theta Chi, playing in its third straight overtime game, edged out Phi Gamma Delta 12-6 in a very hard-fought defensive battle. A falling catch by Bob Ferrara '67, in the end zone, on a 22-yard pass from Tom Hinrichs '67, near the end of the first overtime period, was the decisive touchdown.

Theta Chi drew first blood midway through the second period on a ten-yard pass from Tom Franzel '66 to Denny Hinrichs '64. A pass failed to convert. The Fijis came back in the third period when Joe Sheridan '67, blocked a Theta Chi punt in the end-zone and Sheridan kicked the ball over the end line, thus scoring a touchdown. The conversion attempt failed.

This victory gives Theta Chi a conditional league championship with a 1-0-1 record, but under intramural rules, they must re-play and win its tie game with Westgate.

SAE over LXA 28-6

Sigma Alpha Epsilon completed its division games undefeated to take the League I Championship. They beat Lambda Chi Alpha 25-6 to decide the league since both teams entered the game with 2-0 records.

SAE scored the first time they had the ball when quarterback Fred Souk '65, scampered around end. Lambda Chi tied it up on a fourth down situation with a long pass that went all the way. Souk returned the kickoff to the 10 and passed to Max Dix '67, for the score and the lead. SAE scored once more before the half ended on a short pass to Steve Douglass '67 for a commanding halftime lead of 19-6.

The game tightened in the second half and the only scoring was provided on a 25-yard pass to John Flick '66.

Delts take Grad House

Delta Tau Delta romped over Grad House 35-0. The Delts were shut out in the first quarter but came back to score two touchdowns and a safety in the second quarter. The first was on a short pass from Dave Driscoll '65, to Jim Larsen '65, culminating a long touchdown drive. Driscoll also tossed one to Art Von Waldburg '67. Driscoll ran for two and Ralph Cicerone '65 pass-



Photo by Paul Stamm

Defensive ends Franz Birkner '66 (in dark, left) and Bill Kosinar '66 (right) chase the Grad House quarterback in IM football action last Saturday afternoon. In this game, Delta Tau Delta ran over Grad House by a 35-0 score, winning their league.

ed one to Paul O'Lague in the second half.

Interceptions were the big difference in the game. There were many interceptions made by the Delts, including four by Cicerone. The Delts' huge line was also a large factor in the victory. The Delts now have a 3-0 record and are set for the semi-finals next week.

Beta 6, Phi Delta 0

Beta Theta Pi captured the league II championship by defeating Phi Delta Theta 6-0, in a thrilling overtime game. The game was a hard fought, defensive battle but as Beta offense began moving late in the game it seemed just a matter of time till they scored.

PDT received the overtime kickoff but were forced to give up the ball. The next time they had it, it was on the 3 yard line after a Beta punt, and they quick-kicked to get out of danger. BTP scored on their next series of downs. A long pass to Greg Wheeler '67, put the ball on the 1 yard line. After an end sweep failed, Mike Ryba '67, tallied on a run up the middle. The Betas play the Delts next week and the winner meets the winner of the SAE-TC game in the finals.

Saturday, "B" league included many title deciding games. Grad House Dining defeated Theta Delta Chi 25-0, Grad Management topped Kappa Sigma 26-6, Phi Kappa Theta rolled over Delta Kappa Epsilon 32-6, Tau Epsilon Phi shutout Bexley 14-0, and Nuclear Engineering trampled Theta Xi 47-0.

Other victories went to NRSA "A" 19-7 over Pi Lambda Phi, Student House 24-0 over Chi Phi and Burton "B" 12-6 over Pi Mu Delta in overtime.

LEAGUE CHAMPIONS	
Division A	
1	Sigma Alpha Epsilon
2	Beta Theta Pi
3	Delta Tau Delta
4	Theta Chi
Division B	
5	Zeta Beta Tau
6	Grad House Dining
7	Grad Management
8	Sigma Chi
9	Phi Kappa Theta
10	Tau Epsilon Phi
11	Sigma Phi Epsilon
12	Nuclear Engineering

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